

Claims

[c1] **What is claimed is:**

1. An access point for connecting a computer with a wireless network, the access point comprising:
a housing having a first sliding slot formed on an upper side of the housing, the first sliding slot having at least one opening for hanging the housing on hooks positioned on a wall; and
a first sliding plate detachably installed in the first sliding slot.

[c2] 2. The access point of claim 1 wherein the first sliding plate comprises two protruding portions formed on a front surface of the first sliding plate, and when the first sliding plate slides into the first sliding slot, the housing is capable of being placed on a flat surface using the first sliding plate.

[c3] 3. The access point of claim 2 wherein the housing further comprises a concave slot formed on a rear side of the housing for engaging with the two protruding portions, and after the two protruding portions are inserted into the concave slot, the access point is capable of positioning vertically on the flat surface through the first sliding plate.

[c4] 4. The access point of claim 3 wherein the first sliding plate comprises a plurality of feet installed on an inner side of the first sliding plate, and after the first sliding plate slides out from the sliding slot, the feet are capable of spreading out so as to increase a contact area between the first sliding plate and the flat surface while the access point is positioned vertically on the flat surface.

[c5] 5. The access point of claim 1 further comprising an antenna installed on a front side of the housing for transmitting and receiving wireless signals.

[c6] 6. The access point of claim 1 being used to connect a wired local area network (LAN) to a wireless local area network.

[c7] 7. The access point of claim 6 further comprising a wireless LAN card for connecting the access point to the wireless LAN.

[c8] 8.The access point of claim 7 further comprising a plurality of output ports for connecting the access point to the wired LAN.

[c9] 9.The access point of claim 1 further comprising a second sliding plate detachably installed on a second sliding slot positioned on a lower side of the housing wherein the second sliding plate has two protruding portions formed on a surface of the second sliding plate, and after the second sliding plate sliding into the second sliding slot, the housing is capable of being placed on the flat surface using the second sliding plate.

[c10] 10.The access point of claim 1 further comprising a side-foot installed on a side of the housing for allowing the access point to be positioned vertically on the side.